

T1 Access Router

HIGHLIGHTS

T1/FT1 IP router

Frame Relay, PPP

DHCP server and client

NAT/PAT

Supports up to 128 DLCIs

Supports SNMPv.2

Web server interface for remote management

In response to the reductions in T1 tariffs, Verilink designed its compact and feature-rich T1 Access Router to enable small-to-medium sized businesses (SMBs) and enterprises with multiple branch locations to take advantage of the lower cost of T1 connections. This business-class router is available at a competitive price-point and offers the most cost-effective solution for the remote access and connectivity needs of the branch office using Frame Relay or point-to-point circuits. Installed on the customer's premises, this powerful, full-featured router with an integrated CSU/DSU enables high-speed Internet access and site-to-site communications. With T1 access, SMBs and enterprise branch offices can optimize operations and increase productivity by efficiently linking sites and utilizing cost-effective applications such as VoIP and videoconferencing.

The T1 Access Router boasts management features usually found only in more expensive models. Optimized for secure, managed T1

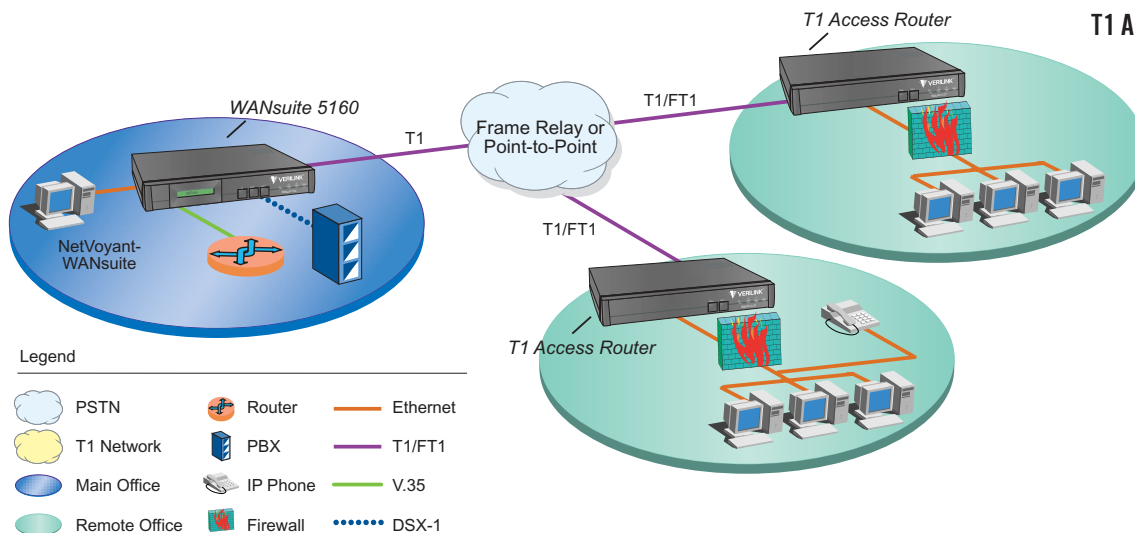


access, it supports IP over Frame Relay or PPP and leased-line T1 applications. The T1 Access Router also supports advanced features such as Network Address Translation, Port Address Translation, and a DHCP client and server. A superior alternative to conventional high-end routers, the T1 Access Router connects to LANs through an autosensing 10/100Base-T Ethernet port and is equipped with an RS-232 console port for local management.

The T1 Access Router is easy to install and set up, simple to operate, and packs its robust feature set into a compact, single rack unit enclosure. As a member of the Industry Standard Networking Products (ISNP) family, the T1 Access Router is available exclusively through Verilink's distribution partner, Interlink Communication Systems.

Go to www.verilink.com or
call 866.665.1515 for more information





Legend

- PSTN
- T1 Network
- Main Office
- Remote Office
- Router
- PBX
- IP Phone
- Firewall
- Ethernet
- T1/FT1
- V.35
- DSX-1

SPECIFICATIONS

T1 Access Router T1/FT1 Router

PART NUMBER AND DESCRIPTION

1100073: T1 Access Router

Cables and accessories included with units: External power supply and cable, T1 network cable, supervisory cable

NETWORK INTERFACE

Line Rate: 1.544 Mbps (±50 bps)

Data Rate: Nx56/64 kbps to 1.536 Mbps, where N=1 to 24 DS-0s

Line Code: AMI or B8ZS

Line Framing: D4 or ESF

Protocol: TDM, Frame Relay, PPP

Connection: RJ-48C jack, 100 ohms +/- 5%

Input Signal: DS1, +1 to -27 dB (ALBO)

Output Signal: 3.0 V

Mode: Long-haul (T1), short-haul (DSX)

DSX-1 Level: 0-110, 111-220, 221-230, 331-440, 441-450, 551-660, >661 ft

Line Build Out: 0, -7.5, -15, -22.5 dB

Line Protection: 1,000 V protection, fused input and output per GR 1089

Jitter Control: per TR 62411 and T1.403

ETHERNET INTERFACE

Connection: 8-pin modular

Compatibility: 10/100Base-T

Protocols: RIP1, RIP2, OSPF, TCP/IP, unnumbered

ADVANCED FEATURES

NAT/PAT

DHCP server/client

TCP server

MANAGEMENT INTERFACE

WANsight (embedded Web server interface), VT100, Telnet, SNMPv2, local supervisory port

INDUSTRY LISTINGS

FCC Compliance: Part 15 Subpart B, Class A, Part 68

US Safety: UL 1950 3rd Edition

Canadian Safety: CSA C22.2 No. 950-95

Industry Canada: CS-03, Issue 8

BellCore: GR-1089-Core Part 3

DIAGNOSTICS

Performance: 15-min, 24-hr, and 30-day monitoring (sampled every second)

Network Loops: Line, Payload, or Maintenance

DTE Port Loops: V.54 and Local

BERT: Marks, QRSS, 511, 2047, 2¹⁵, and Spaces

T1 Performance Statistics: ES, SES, LOSS, UAS, CSS, BPVS, OOFs, AISS, RAS

TIMING

Network, internal

POWER REQUIREMENTS

Power: 100-240 VAC; 18-150 VDC autoranging

MECHANICAL

Mounting: Desktop, rack, or wall

Dimensions: 11.75 in. (29.8 cm) W, 1.86 in. (4.7 cm) H, 8.75 in. (22.2 cm) D

Weight: 2.1 lb (0.97 kg)

ENVIRONMENTAL

Operating Temperature: 0 to 50 °C (32 to 122 °F)

Storage Temperature: -20 to 65 °C (-4 to 149 °F)

Humidity: 95% maximum, noncondensing

FRAME RELAY STATISTICS COLLECTED IN 96 15-MINUTE INTERVALS

- Tx/Rx frames and octets
- Tx/Rx mgmt frames octets
- Rx frames with FECN, BECN
- Rx invalid frames
- Tx/Rx status inquiry frames
- Tx/Rx status response frames
- Rx invalid LMI frames
- Peak/Average throughput
- Rx frames with DE bit set
- Tx excess CIR and Be

VERILINK'S SERVICE AWARE TECHNOLOGY

Layer 3 Statistics and Up: IP, PPP, TCP, UDP, FTP, TFTP, SNMP, RIP1, RIP2, BOOTP, SMTP, HTTP, ICMP, OSPF, L2TP, H.323

Peak and Average Throughput on Up to 10 User-Definable Filters: DLCI, IP address, or IP port number, Top talkers

VERIFY SERVICE LEVEL AGREEMENTS (FRF.13)

- Frame delivery ratio
- Data delivery ratio
- Round trip delay
- Service availability in seconds

WARRANTY AND SUPPORT

Five-year warranty



DS-44-00259 (Rev. 4 3.02)

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